

Converting Colors

XYZ(42.2751, 74.6535, 22.3978)

Have a look what the booklet for
XYZ(42.2751, 74.6535, 22.3978)
contains.

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Color

**XYZ(42.3079, 74.6724,
22.3086)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 5EFF5C |
| RGB | 94, 255, 92 |
| RGB Percent | 37%, 100%, 36% |
| CMY | 0.6314, 0.0000, 0.6392 |
| CMYK | 0.63, 0.00, 0.64, 0.00 |
| HSL | 119°, 100%, 68% |
| HSV | 119°, 64%, 100% |
| XYZ | 42.3079, 74.6724, 22.3086 |
| YIQ | 188.2790, -43.6330, -84.8250 |

Conversions

Conversions Part 2

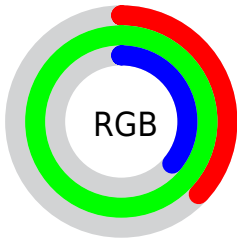
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 92, 255, 253 |
| Decimal | 6225756 |
| CIELab | 89.24, -71.85, 63.54 |
| CIELCh | 89, 95.917, 138.512 |
| Yxy | 74.6724, 0.3037, 0.5361 |
| Android (android.graphics.Color) | 4284415836 (0xFF5EFF5C) |
| YUV | 188.2790, -47.4655, -82.6827 |
| Hunter-Lab | 86.4132, -63.8295, 45.1828 |

Details

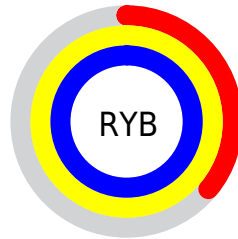
The XYZ color **42.3079, 74.6724, 22.3086** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted green. A complement of this color would be **62.3871, 35.7586, 98.2217**, and the grayscale version is **48.2383, 50.7504, 55.2672**.

A 20% lighter version of the original color is **55.6025, 81.1317, 40.7464**, and **20.2136, 40.0314, 7.9578** is the 20% darker color. If you saturate the color by 10%, you get **39.1994, 73.1777, 17.2914**, and if you desaturate by 10%, it is **46.6344, 76.7516, 29.3424**.

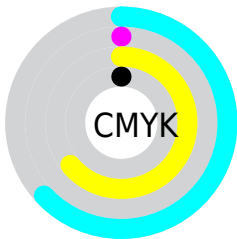
Distribution



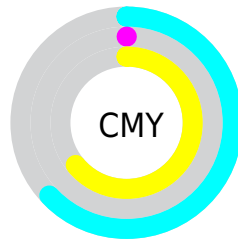
- Red (37%)
- Green (100%)
- Blue (36%)



- Red (36%)
- Yellow (100%)
- Blue (99%)



- Cyan (63%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)





- Cyan (63%)
- Magenta (0%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3079, 74.6724, 22.3086 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 42.3079, 74.6724, 22.3086 by changing the saturation by 10% instead.


 42.3079, 74.6724,
22.3086


 42.3079, 74.6724,
22.3086


346.7277,
476.7908, 277.1595


 29.5346, 55.3446,
13.8833


 77.9277, 125.8485,
48.1642


 19.6319, 39.6776,
7.9018


 101.5048,
158.4656, 66.4317

 12.2345, 27.2873,
3.9453


 129.4140,
196.2812, 88.8170

 6.9769, 17.7891,
1.5954

 162.0206,
239.6797, 115.7386

 3.4939, 10.7987,
0.2875

199.6899,
289.0455, 147.6151

 1.4200, 5.9316,
0.0000

242.7873,

 0.2704, 2.8036,

344.7630, 184.8651

0.0000

291.6781,
407.2167, 227.9071

0.0000, 1.0301,
0.0000

0.0000, 0.0000,
0.0000

42.3079, 74.6724,
22.3086

42.3079, 74.6724,
22.3086

39.1994, 73.1777,
17.2914

46.6344, 76.7516,
29.3424

37.1830, 72.2073,
14.0760


52.2858, 79.4666,
38.5715

36.1076, 71.6888,
12.4053

59.3586, 82.8636,
50.1588

35.7991, 71.5401,
11.9218

67.9399, 86.9844,
64.2509

 78.1098, 91.8674,
80.9824

 89.9429, 97.5483,
100.4786

95.0500, 100.0000,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.6173, 74.6724, 10.0858



42.3079, 74.6724, 22.3086



35.3644, 74.6724, 58.2344

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



42.3079, 74.6724, 22.3086



62.3795, 74.6724, 284.4234



122.7989, 74.6724, 46.8531

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



42.3079, 74.6724, 22.3086



62.3871, 35.7586, 98.2217

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



124.8680, 74.6724, 109.7839



42.3079, 74.6724, 22.3086



86.2499, 74.6724, 275.1048

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



42.3079, 74.6724, 22.3086



45.1312, 74.6724, 221.1912



110.3240, 74.6724, 200.1282



105.1723, 74.6724, 17.9164

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.3079, 74.6724, 22.3086



35.1099, 74.6724, 101.9235



110.3240, 74.6724, 200.1282



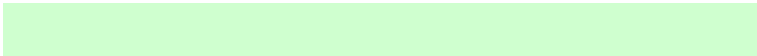
125.4606, 74.6724, 63.6744

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



42.3082, 74.6725, 22.3098



72.7397, 89.2891, 72.1442



78.0715, 91.8318, 23.7369



14.9618, 18.8199, 14.4427



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.3082, 74.6725, 22.3098



38.4682, 72.8260, 16.1196



47.5045, 76.7277, 50.7274



17.7921, 20.1788, 19.1015



18.7147, 37.3859, 6.2298



1.8291, 3.6437, 0.6069

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



62.3871, 35.7586, 98.2217



59.9570, 31.1189, 97.4542



52.9258, 32.0585, 44.5865



18.7694, 18.2884, 22.7907



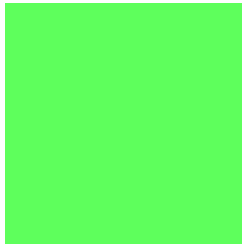
30.3950, 14.5797, 50.6467



2.9663, 1.4231, 4.9316

Previews

White Background



This preview shows how the XYZ color 42.3079, 74.6724, 22.3086 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 42.3079, 74.6724, 22.3086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

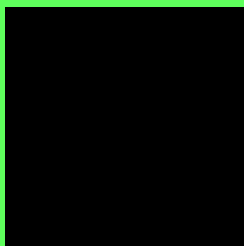
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

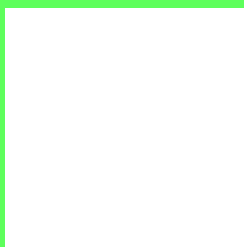
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.3079, 74.6724, 22.3086

Background



This preview shows how black text looks on a background with the XYZ color 42.3079, 74.6724, 22.3086.

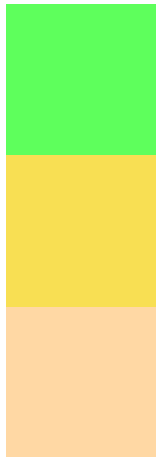


This preview shows how white text looks on a background with the XYZ color 42.3079, 74.6724,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

42.3079, 74.6724, 22.3086

Protanopia

66.6604, 73.3563, 18.8294

Deuteranopia

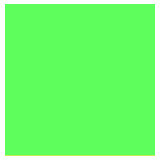
72.4967, 73.0521, 45.4014



Tritanopia

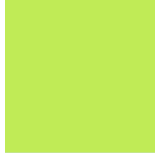
60.0112, 73.8081, 105.6912

Trichromacy



Original Color

42.3079, 74.6724, 22.3086



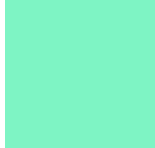
Protanomaly

53.1263, 71.2950, 19.7654



Deuteranomaly

55.6492, 70.1644, 34.6548



Tritanomaly

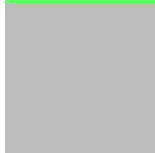
50.9187, 73.1225, 63.6549

Monochromacy



Original Color

42.3079, 74.6724, 22.3086



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

42.6197, 56.2569, 38.7494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3079, 74.6724, 22.3086 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(94, 255, 92)` looks like.

```
.text, #text, p{  
    color:rgb(94, 255, 92)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(94, 255, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 255, 92) }
```

Border

The CSS property to change the border of an element to XYZ 42.3079, 74.6724, 22.3086 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(94, 255, 92) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(94, 255, 92) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(94, 255, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 255, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 255, 92);  
box-shadow:4px 4px 4px 4px rgb(94, 255,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3079, 74.6724, 22.3086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 255, 92) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(94, 255,  
92) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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